

Solwitsach

Page 1 of 7 #5
6-9-00 AD.

1632

RAW SEQUENCE LISTING DATE: 06/09/2000
PATENT APPLICATION: US/09/494,096 TIME: 12:33:29

Input Set : A:\Hs102c21.app
Output Set: N:\CRF3\06082000\I494096.raw

3 <110> APPLICANT: Bannon, Gary A.
4 Burks Jr., A. Wesley
5 Sampson, Hugh A.
6 Sosin, Howard B.
8 <120> TITLE OF INVENTION: Methods and Reagents for Decreasing Clinical Reactions
9 to Allergy
11 <130> FILE REFERENCE: HS 102 CIP (2)
13 <140> CURRENT APPLICATION NUMBER: 09/494,096
14 <141> CURRENT FILING DATE: 2000-01-28
16 <150> PRIOR APPLICATION NUMBER: 09/141,220
17 <151> PRIOR FILING DATE: 1998-08-27
19 <150> PRIOR APPLICATION NUMBER: 09/240,557
20 <151> PRIOR FILING DATE: 1999-01-29
22 <150> PRIOR APPLICATION NUMBER: 09/241,101
23 <151> PRIOR FILING DATE: 1999-01-29
25 <150> PRIOR APPLICATION NUMBER: 09/248,673
26 <151> PRIOR FILING DATE: 1999-02-11
28 <150> PRIOR APPLICATION NUMBER: 60/073,283
29 <151> PRIOR FILING DATE: 1998-01-29
31 <150> PRIOR APPLICATION NUMBER: 60/074,590
32 <151> PRIOR FILING DATE: 1998-02-13
34 <150> PRIOR APPLICATION NUMBER: 60/074,624
35 <151> PRIOR FILING DATE: 1998-02-13
37 <150> PRIOR APPLICATION NUMBER: 09/248,674
38 <151> PRIOR FILING DATE: 1999-02-11
40 <150> PRIOR APPLICATION NUMBER: 60/122,566
41 <151> PRIOR FILING DATE: 1999-03-02
43 <160> NUMBER OF SEQ ID NOS: 6
45 <170> SOFTWARE: PatentIn Ver. 2.1
47 <210> SEQ ID NO: 1
48 <211> LENGTH: 626
49 <212> TYPE: PRT
50 <213> ORGANISM: Arachis hypogaea
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55 Leu Ala Ser Val Ser Ala Thr His Ala Lys Ser Ser Pro Tyr Gln Lys
56 20 25 30
57 Lys Thr Glu Asn Pro Cys Ala Gln Arg Cys Leu Gln Ser Cys Gln Gln
58 35 40 45
60 35 40 45
62 Glu Pro Asp Asp Leu Lys Gln Lys Ala Cys Glu Ser Arg Cys Thr Lys
63 50 55 60
65 Leu Glu Tyr Asp Pro Arg Leu Val Tyr Asp Pro Arg Gly His Thr Gly
66 65 70 75 80
68 Thr Thr Asn Gln Arg Ser Pro Pro Gly Glu Arg Thr Arg Gly Arg Gln
69 85 90 95
71 Pro Gly Asp Tyr Asp Asp Arg Arg Gln Pro Arg Arg Glu Glu Gly

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Input Set : A:\Rs102c21.app
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78	130	135	140
80	Arg Lys Ile Arg Pro Glu Gly Arg Glu Gly Glu Gln Glu Trp Gly Thr		
81	145	150	155
83	Pro Gly Ser His Val Arg Glu Glu Thr Ser Arg Asn Asn Pro Phe Tyr		
84	165	170	175
86	Phe Pro Ser Arg Arg Phe Ser Thr Arg Tyr Gly Asn Gln Asn Gly Arg		
87	180	185	190
89	Ile Arg Val Leu Gln Arg Phe Asp Gln Arg Ser Arg Gln Phe Gln Asn		
90	195	200	205
92	Leu Gln Asn His Arg Ile Val Gln Ile Glu Ala Lys Pro Asn Thr Leu		
93	210	215	220
95	Val Leu Pro Lys His Ala Asp Ala Asp Asn Ile Leu Val Ile Gln Gln		
96	225	230	235
98	Gly Gln Ala Thr Val Ala Asn Gly Asn Asn Arg Lys Ser Phe		
99	245	250	255
101	Asn Leu Asp Glu Gly His Ala Leu Arg Ile Pro Ser Gly Phe Ile Ser		
102	260	265	270
104	Tyr Ile Leu Asn Arg His Asp Asn Gln Asn Leu Arg Val Ala Lys Ile		
105	275	280	285
107	Ser Met Pro Val Asn Thr Pro Gly Gln Phe Glu Asp Phe Phe Pro Ala		
108	290	295	300
110	Ser Ser Arg Asp Gln Ser Ser Tyr Leu Gln Glu Phe Ser Arg Asn Thr		
111	305	310	315
113	Leu Glu Ala Ala Phe Asn Ala Glu Phe Asn Glu Ile Arg Arg Val Leu		
114	325	330	335
116	Leu Glu Glu Asn Ala Gly Gly Glu Gln Glu Glu Arg Gly Gln Arg Arg		
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119	Trp Ser Thr Arg Ser Ser Glu Asn Asn Glu Gly Val Ile Val Lys Val		
120	355	360	365
122	Ser Lys Glu His Val Glu Glu Leu Thr Lys His Ala Lys Ser Val Ser		
123	370	375	380
125	Lys Lys Gly Ser Glu Glu Gly Asp Ile Thr Asn Pro Ile Asn Leu		
126	385	390	395
128	Arg Glu Gly Glu Pro Asp Leu Ser Asn Asn Phe Gly Lys Leu Phe Glu		
129	405	410	415
131	Val Lys Pro Asp Lys Lys Asn Pro Gln Leu Gln Asp Leu Asp Met Met		
132	420	425	430
134	Leu Thr Cys Val Glu Ile Lys Glu Gly Ala Leu Met Leu Pro His Phe		
135	435	440	445
137	Asn Ser Lys Ala Met Val Ile Val Val Val Asn Lys Gly Thr Gly Asn		
138	450	455	460
140	Leu Glu Leu Val Ala Val Arg Lys Glu Gln Gln Arg Gly Arg Arg		
141	465	470	475
143	Glu Glu Glu Asp Glu Asp Glu Glu Glu Gly Ser Asn Arg Glu		
144	485	490	495

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149 Pro Ala Ala His Pro Val Ala Ile Asn Ala Ser Ser Glu Leu His Leu
150      515          520          525
152 Leu Gly Phe Gly Ile Asn Ala Glu Asn Asn His Arg Ile Phe Leu Ala
153      530          535          540
155 Gly Asp Lys Asp Asn Val Ile Asp Gln Ile Glu Lys Gln Ala Lys Asp
156 545      550          555          560
158 Leu Ala Phe Pro Gly Ser Gly Glu Gln Val Glu Lys Leu Ile Lys Asn
159      565          570          575
161 Gln Lys Glu Ser His Phe Val Ser Ala Arg Pro Gln Ser Gln Ser Gln
162      580          585          590
164 Ser Pro Ser Ser Pro Glu Lys Glu Ser Pro Glu Lys Glu Asp Gln Glu
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170 Phe Asn
171 625
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182 tgccaaagtca tcacccttacc agaaaaaaaac agagaacccc tgcccccaga ggtgcctcca 180
183 gagttgtcaa caggaacccg atgacttcaa gcaaaagcca tgcgagtctc gctgcaccaa 240
184 gtcgcgtat gatcccttgtt gtgtctatga tctctcgagga cacaactggca ccaccaacca 300
185 acgttccccct ccaggggagc ggacacgtgg cgcccaaccc ggagactacg atgtatggcc 360
186 ccgtcaaccc cgaagagagg aaggaggccc atggggaccg gctggaccg gggagctgta 420
187 aagagaagaa gactggagac aaccaagaga agattggagg cgaccaagtc atcagcagcc 480
188 acggaaaaata aggcccgaaag gaagagaagg agaacaagag tggggacac caggtagoca 540
189 tggtagggaa gaaacatctc ggaacaaccc ttcttacttc cegtcgaaggc ggtttaqcac 600
190 ccgctacggg aaccaaaaacg gtaggatccg ggtcctgcag aggtttgacc aaaggtcaag 660
191 gcagtttcag aatccctcaga atcaccgtat tggcagatc gaggccaaac ctaaacactct 720
192 tggctttccc aagcacgtg atgtgataa catcccttgtt atccagcaag ggcagccac 780
193 cgtgaccgta gcaaatggca ataacagaaa gagcttaat cttagcagg gccatgcact 840
194 cagaatccca tccggttca ttccatcat cttagaaccgc catgacaacc agaacctca 900
195 agtagctaaa atctccatgc cggtaaac accccggccag tttgaggatt tcttcccgcc 960
196 ggcgcggca gaccaatcat cctacttgc gggcttcagc aggaatcgt tggaggccgc 1020
197 cttcaatgcg gaattcaatg agatacggag ggtgtgtta gaagagaatg caggaggta 1080
198 gcaagaggag agaggccaga ggccatggag tactcgatgt agtgagaaca atgaaggagat 1140
199 gatagtcraaa gtgtcaaaagg agcacgtgta agaacttact aacgcaccta aatccgtctc 1200
200 aaagaaaaggc tccgaagaag agggagatat caccaaccca atcaacttga gagaaggcga 1260
201 gccccatctt tctaacaact ttggaaagt atttgagggt aagccagaca agaagaaccc 1320
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203 gctcccacac ttcaactcaa aggccatggt tatcgtcgic gtcacaaag gaactggaa 1440
204 ctttggactc gtggctgtaa gaaaagagca acaacagagg ggacggcggg aagaagagga 1500
205 ggacgaagac gaagaagagg agggaaagtaa cagagaggtg cgttaggtaca cagcgaggtt 1560

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206 gaaggaaggc gatgtgttca tcatgccagc agctcatcca gttagccatca acgcttcctc 1620
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208 aggtgataag gacaatgtga tagaccagat agagaagcaa gcgaaggatt tagcattccc 1740
209 tgggtcggtt gaaagctcat caaaaaccag aaggaatctc acttttgag 1800
210 tgctcgctct caatctcaat ctcaatctcc gtcgtctct gagaagagat ctccgtgaaa 1860
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212 tttaactga                                         1930
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225      20          25          30
227 Gln Leu Glu Arg Ala Asn Leu Arg Pro Cys Glu Gln His Leu Met Gln
228      35          40          45
230 Lys Ile Gln Arg Asp Glu Asp Ser Tyr Glu Arg Asp Pro Tyr Ser Pro
231      50          55          60
233 Ser Gln Asp Pro Tyr Ser Pro Ser Pro Tyr Asp Arg Arg Gly Ala Gly
234      65          70          75          80
236 Ser Ser Gln His Gln Glu Arg Cys Cys Asn Glu Leu Asn Glu Phe Glu
237      85          90          95
239 Asn Asn Gln Arg Cys Met Cys Glu Ala Leu Gln Gln Ile Met Glu Asn
240      100         105         110
242 Gln Ser Asp Arg Leu Gln Gly Arg Gln Gln Glu Gln Phe Lys Arg
243      115         120         125
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260 ccctcgagc aacatctcat gcagaagatc caacgtgacy aggattcata tgaacgggac 180
261 cggtagccatc ctatcgaga tccgtacagc cctagttcat atgatcgag aggctgtgaa 240
262 tccctctcage accaagagat gttttcaat gagctgaacg agtttgagaa caaccaaagg 300
263 tgcatgtcgc aggatgtca acatgtatc gagaaccaga cgcataagggt gcaggggagg 360
264 caacaggagc aacagttaa gaggagatc aggaacctgc ctcaacatgc cggcctttagg 420
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270 <212> TYPE: PRT
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278       20          25          30
280 Ile Glu Thr Trp Asn Pro Asn Asn Gln Glu Phe Glu Cys Ala Gly Val
281       35          40          45
283 Ala Leu Ser Arg Leu Val Leu Arg Arg Asn Ala Leu Arg Arg Pro Phe
284       50          55          60
286 Tyr Ser Asn Ala Pro Gln Glu Ile Phe Ile Glu Gln Gly Arg Gly Tyr
287       65          70          75          80
289 Phe Gly Leu Ile Phe Pro Gly Cys Pro Arg His Tyr Glu Glu Pro His
290       85          90          95
292 Thr Gln Gly Arg Arg Ser Gln Ser Gln Arg Pro Pro Arg Arg Leu Gln
293       100         105         110
295 Gly Glu Asp Gln Ser Gln Gln Arg Asp Ser His Gln Lys Val His
296       115         120         125
298 Arg Phe Asp Glu Gly Asp Leu Ile Ala Val Pro Thr Gly Val Ala Phe
299       130         135         140
301 Trp Leu Tyr Asn Asp His Asp Thr Asp Val Val Ala Val Ser Leu Thr
302       145         150         155         160
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305       165         170         175
307 Asn Leu Ala Gly Asn Thr Glu Gln Glu Phe Leu Arg Tyr Gln Gln Gln
308       180         185         190
310 Ser Arg Gln Ser Arg Arg Arg Ser Leu Pro Tyr Ser Pro Tyr Ser Pro
311       195         200         205
313 Gln Ser Gln Pro Arg Gln Glu Glu Arg Glu Phe Ser Pro Arg Gly Gln
314       210         215         220
316 His Ser Arg Arg Glu Arg Ala Gly Gln Glu Glu Asn Glu Gly Gly
317       225         230         235         240
319 Asn Ile Phe Ser Gly Phe Thr Pro Glu Phe Leu Glu Gln Ala Phe Gln
320       245         250         255
322 Val Asp Asp Arg Gln Ile Val Gln Asn Leu Arg Gly Glu Thr Glu Ser
323       260         265         270
325 Glu Glu Glu Gly Ala Ile Val Thr Val Arg Gly Gly Leu Arg Ile Leu
326       275         280         285
328 Ser Pro Asp Arg Lys Arg Arg Ala Asp Glu Glu Glu Glu Tyr Asp Glu
329       290         295         300
331 Asp Glu Tyr Glu Tyr Asp Glu Glu Asp Arg Arg Arg Gly Arg Gly Ser
332       305         310         315         320
334 Arg Gly Arg Gly Asn Gly Ile Glu Glu Thr Ile Cys Thr Ala Ser Ala
335       325         330         335
337 Lys Lys Asn Ile Gly Arg Asn Arg Ser Pro Asp Ile Tyr Asn Pro Gln
338       340         345         350
340 Ala Gly Ser Leu Lys Thr Ala Asn Asp Leu Asn Leu Ile Leu Arg
341       355         360         365
343 Trp Leu Gly Leu Ser Ala Glu Tyr Gly Asn Leu Tyr Arg Asn Ala Leu
344       370         375         380

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VERIFICATION SUMMARY
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